FIG. 1

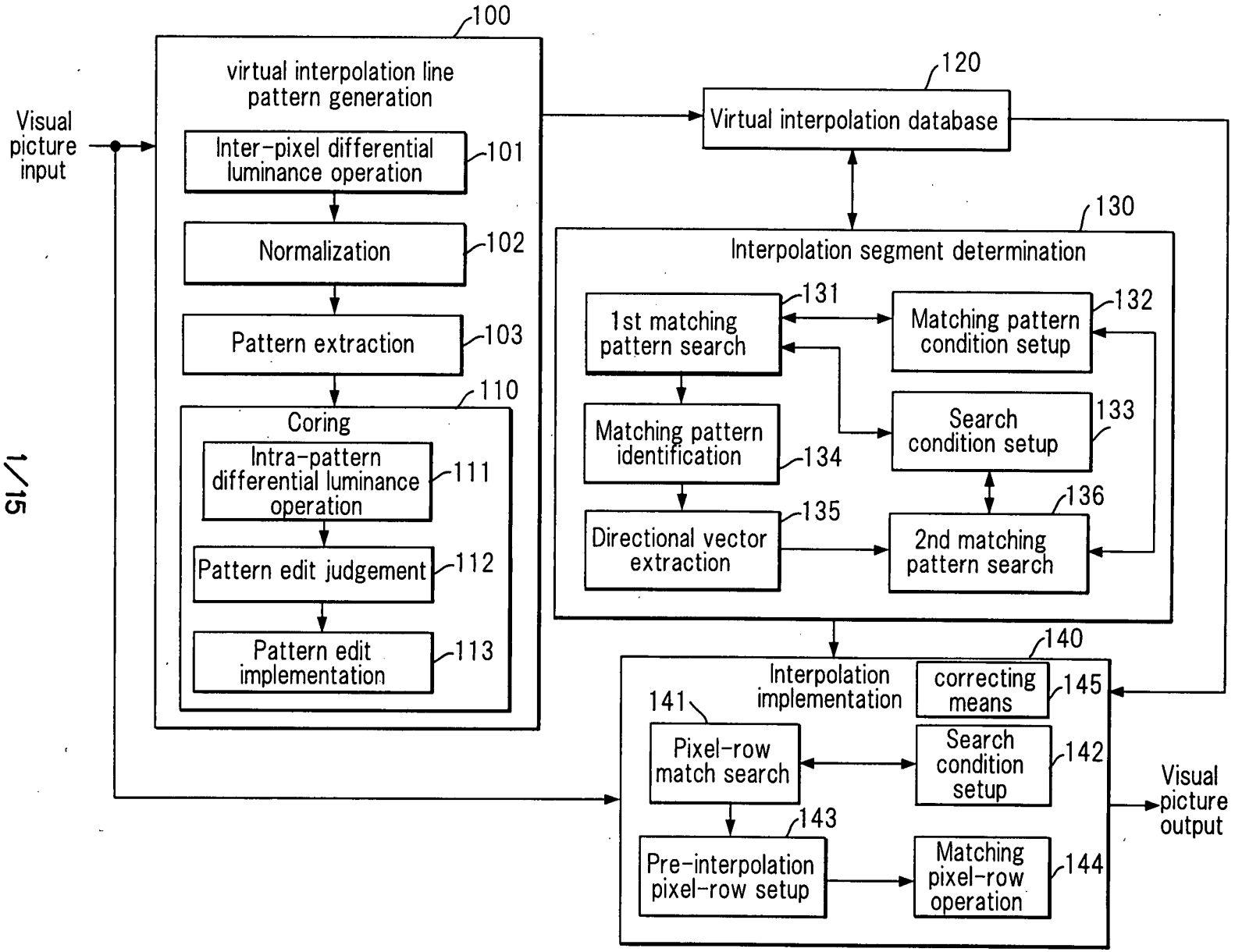
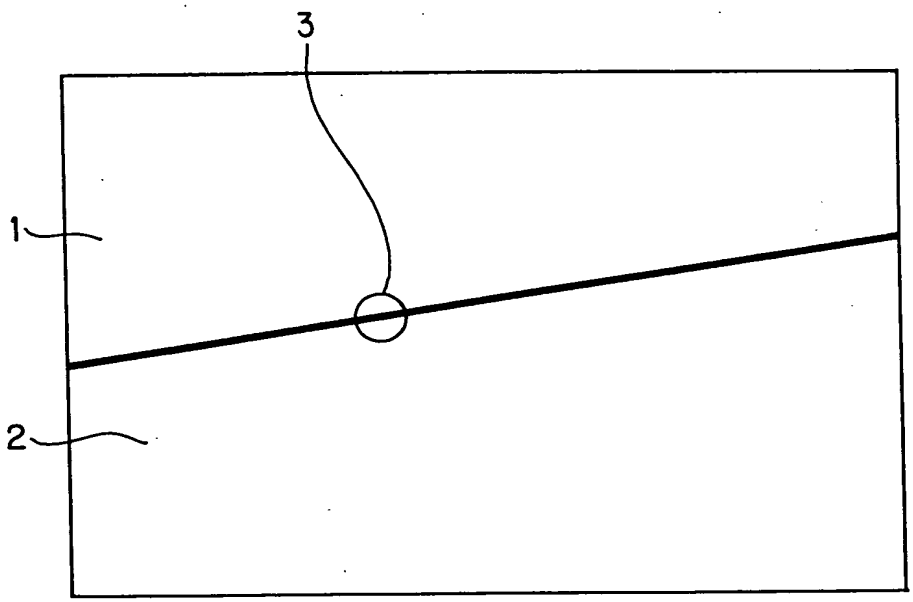

100
virtual interpolation line pattern generation
Visual picture input
Inter-pixel differential luminance operation
101
Normalization
102
Pattern extraction
103
110
Coring
Intra-pattern differential luminance operation
111
Pattern edit judgement
112
Pattern edit implementation
113
120
Virtual interpolation database
130
Interpolation segment determination
1st matching pattern search
131
Matching pattern condition setup
132
Search condition setup
133
Matching pattern identification
134
Directional vector extraction
135
2nd matching pattern search
136
140
Interpolation implementation
correcting means
145
141
Pixel-row match search
Search condition setup
142
143
Pre-interpolation pixel-row setup
Matching pixel-row operation
144
Visual picture output

FIG. 2



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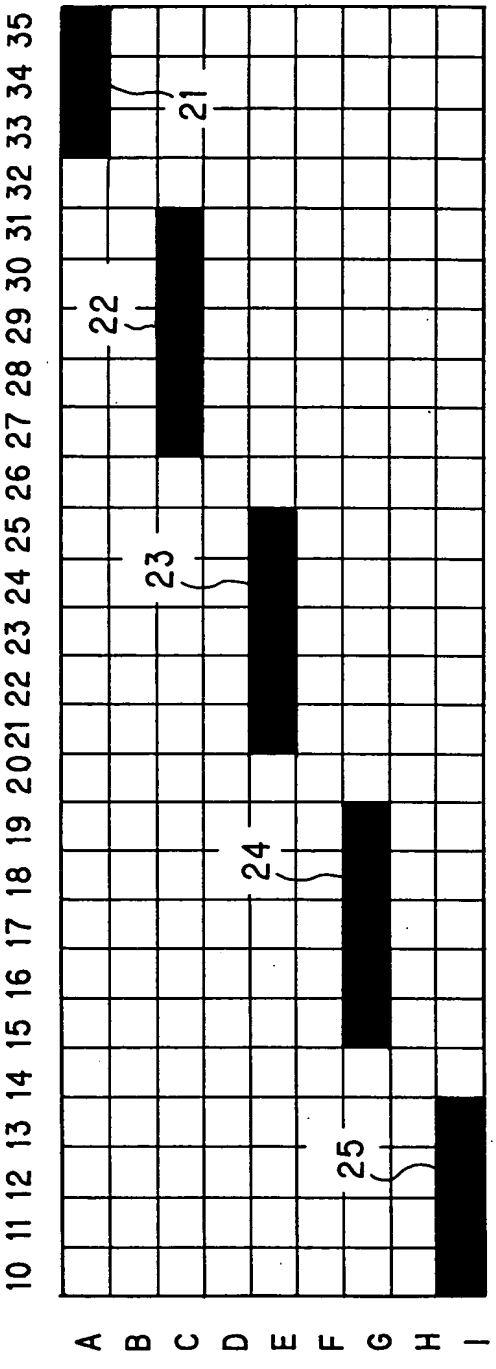
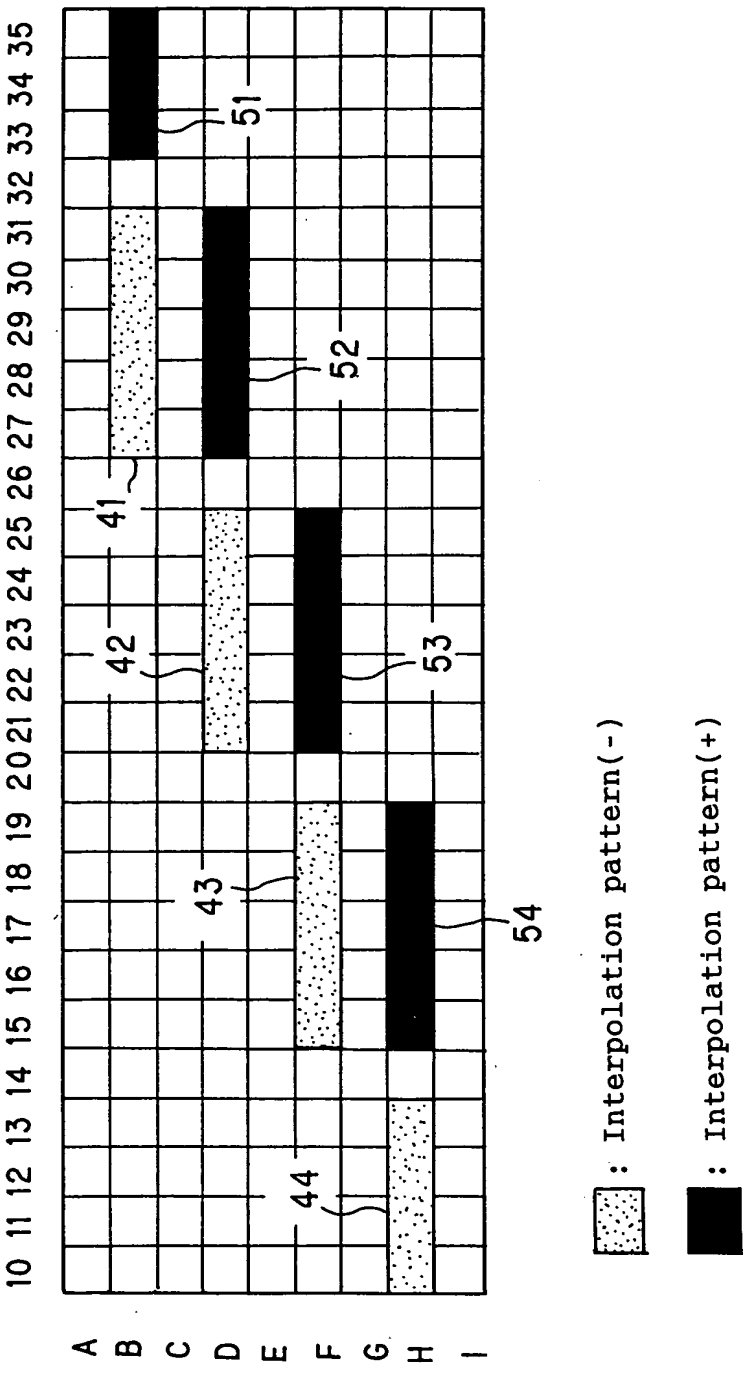
EP0990260A2 I

FIG. 3



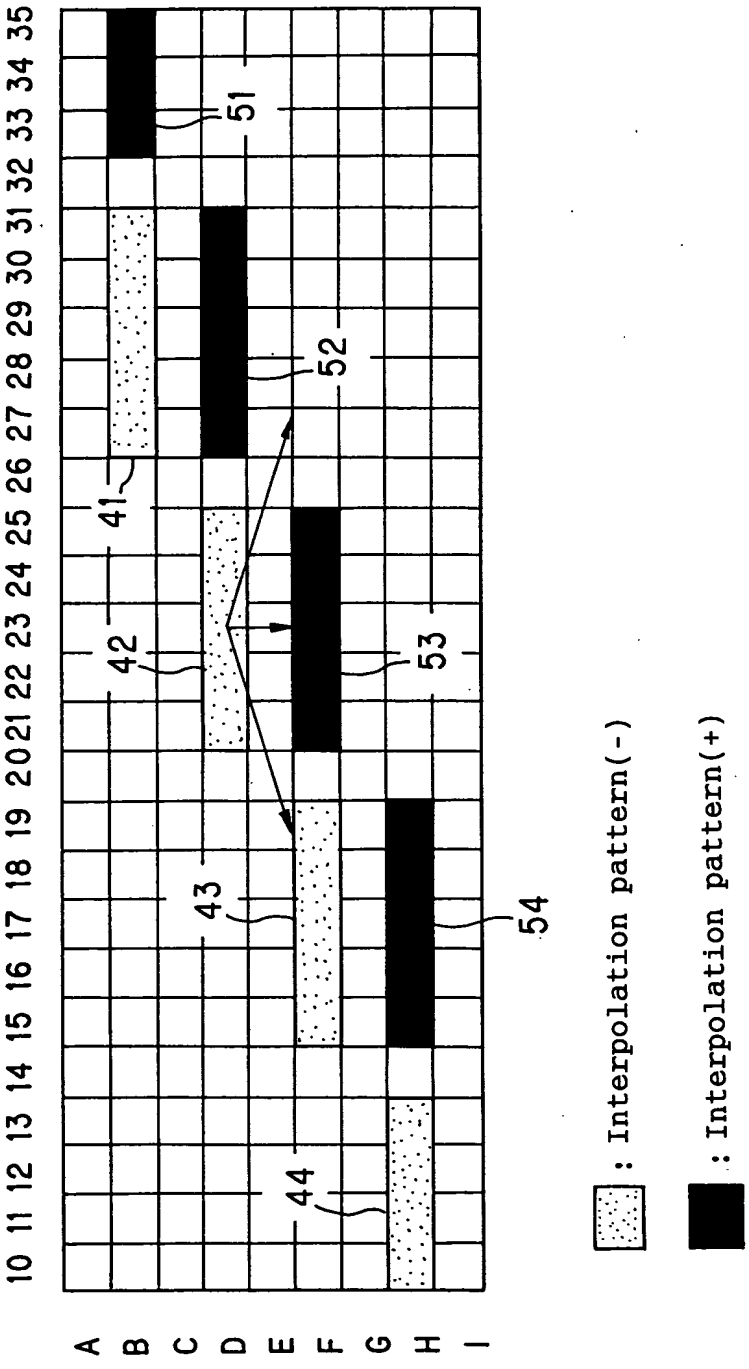
TD9080"26/06860

FIG. 4



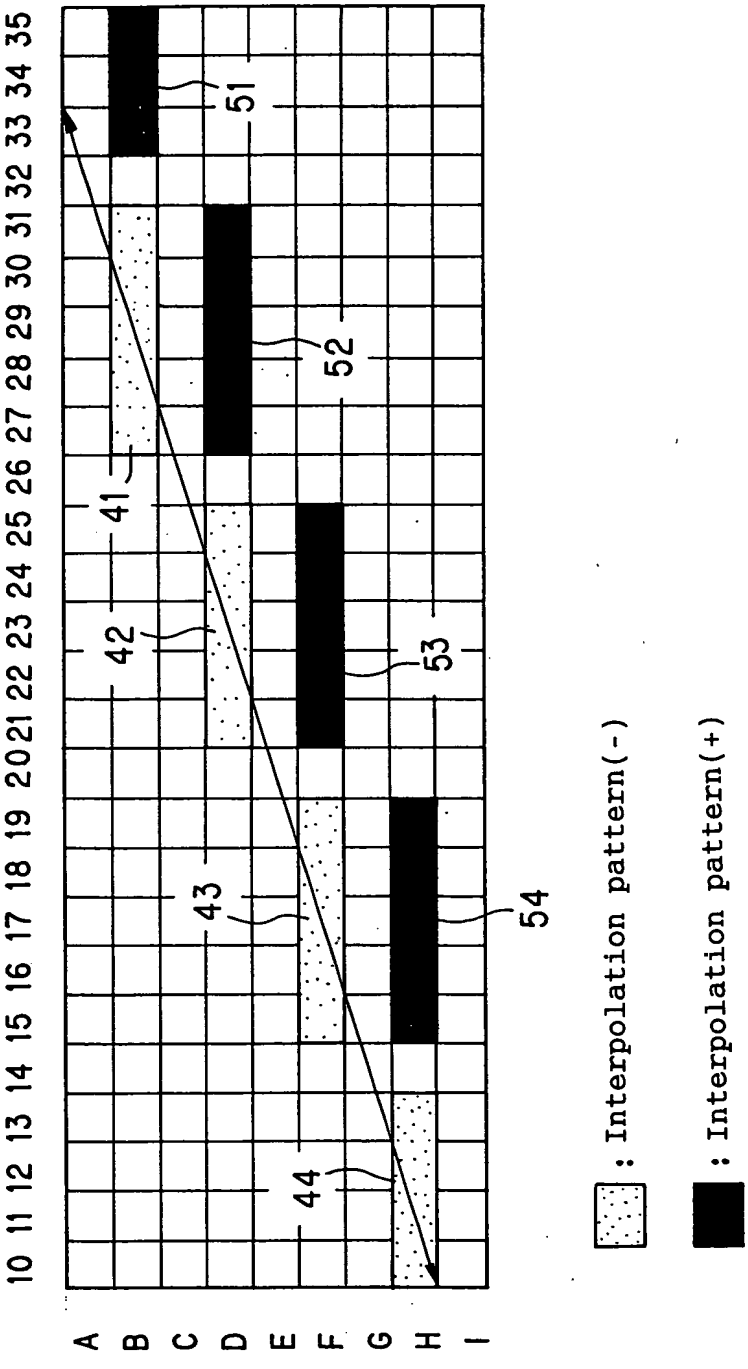
T09080 "26/06/50

FIG. 5



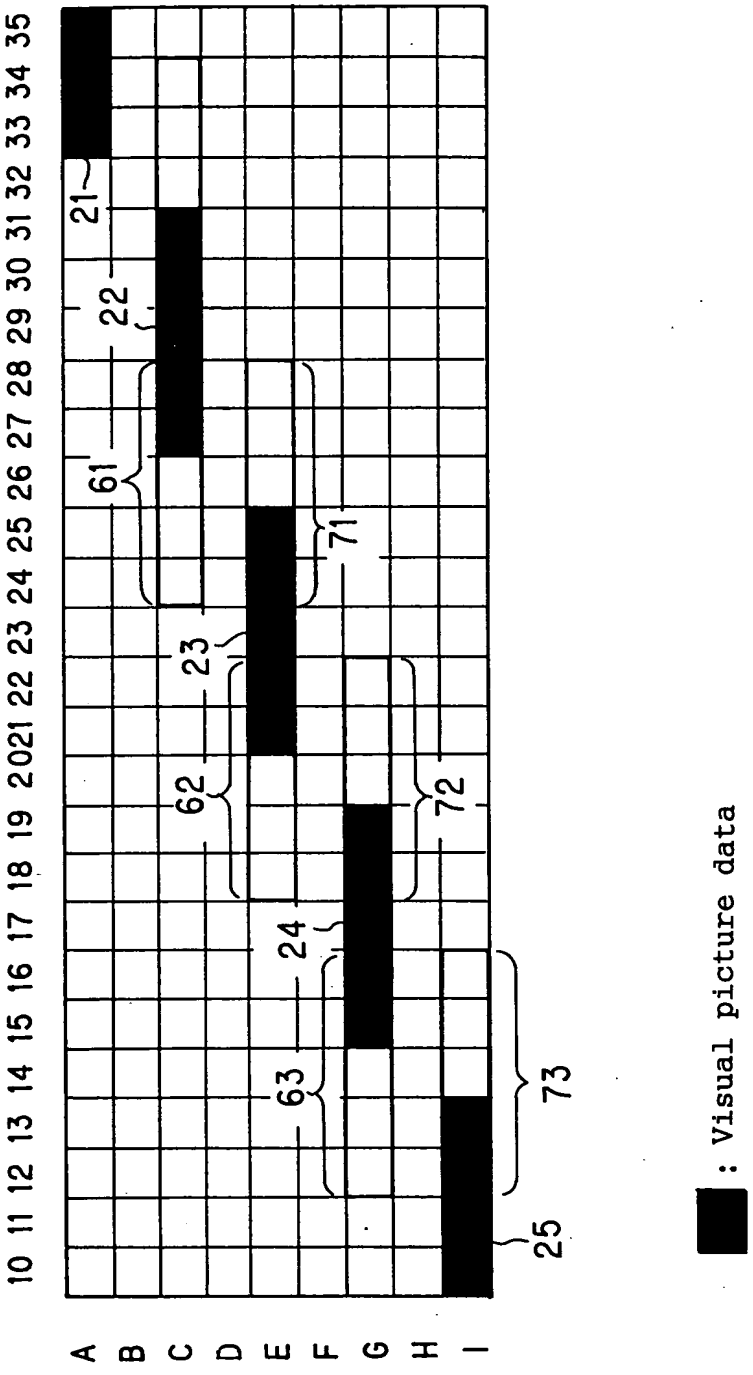
T0580 "26/06860

FIG. 6



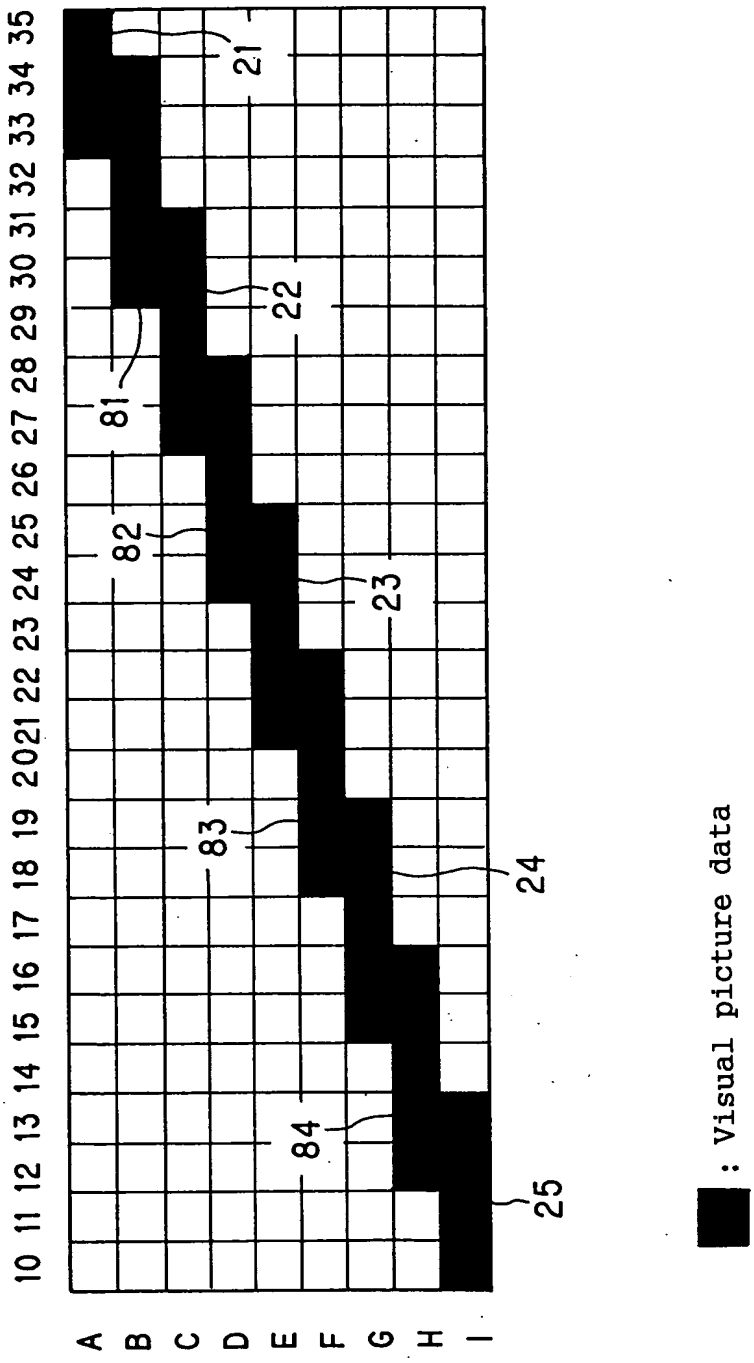
T09080"Z6Z05860

FIG. 7



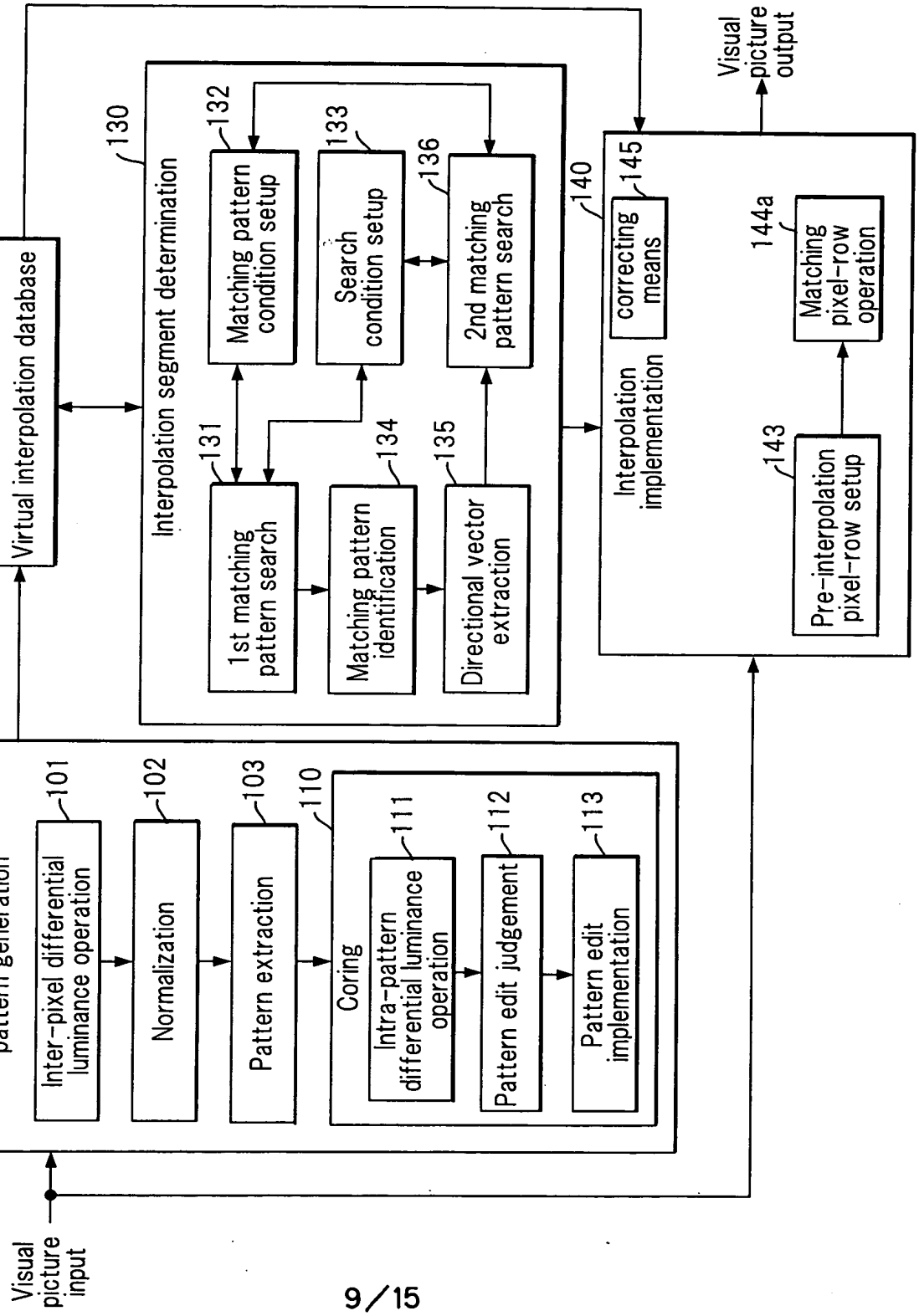
T09080 "26/06860

FIG. 8



EP0806865

FIG. 9



T0360 "26/06860

FIG. 10

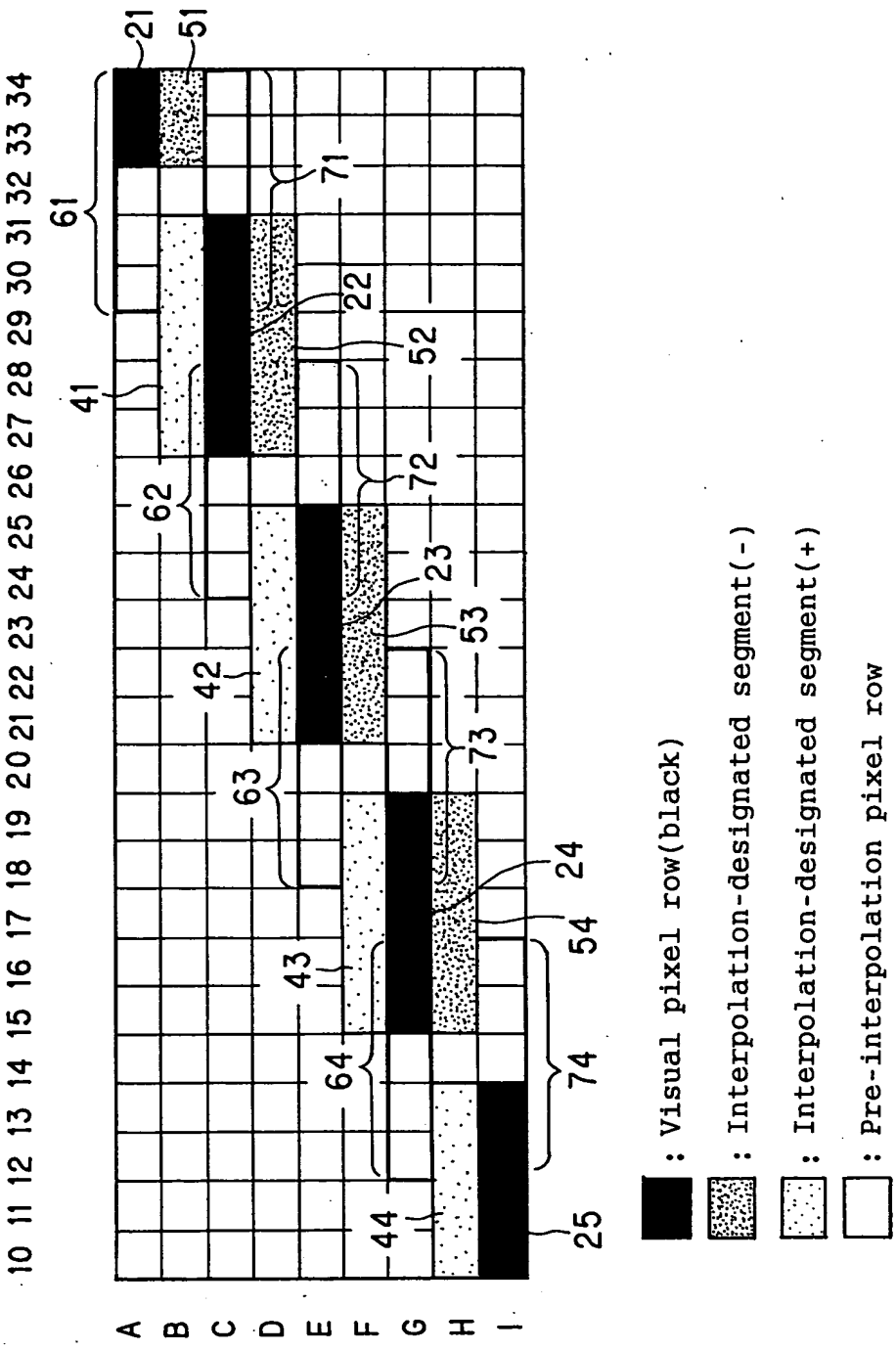


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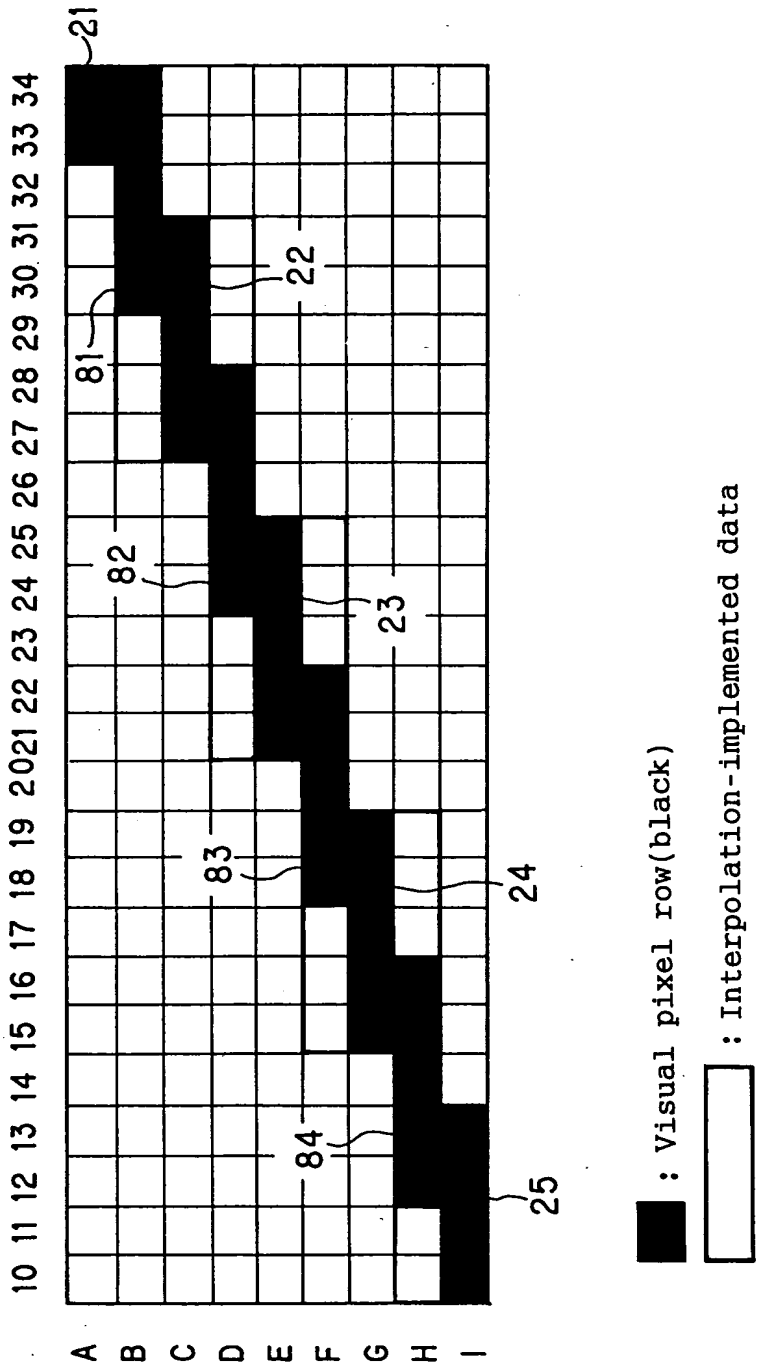
FIG. 11



F0360 "26206360

FIG. 12

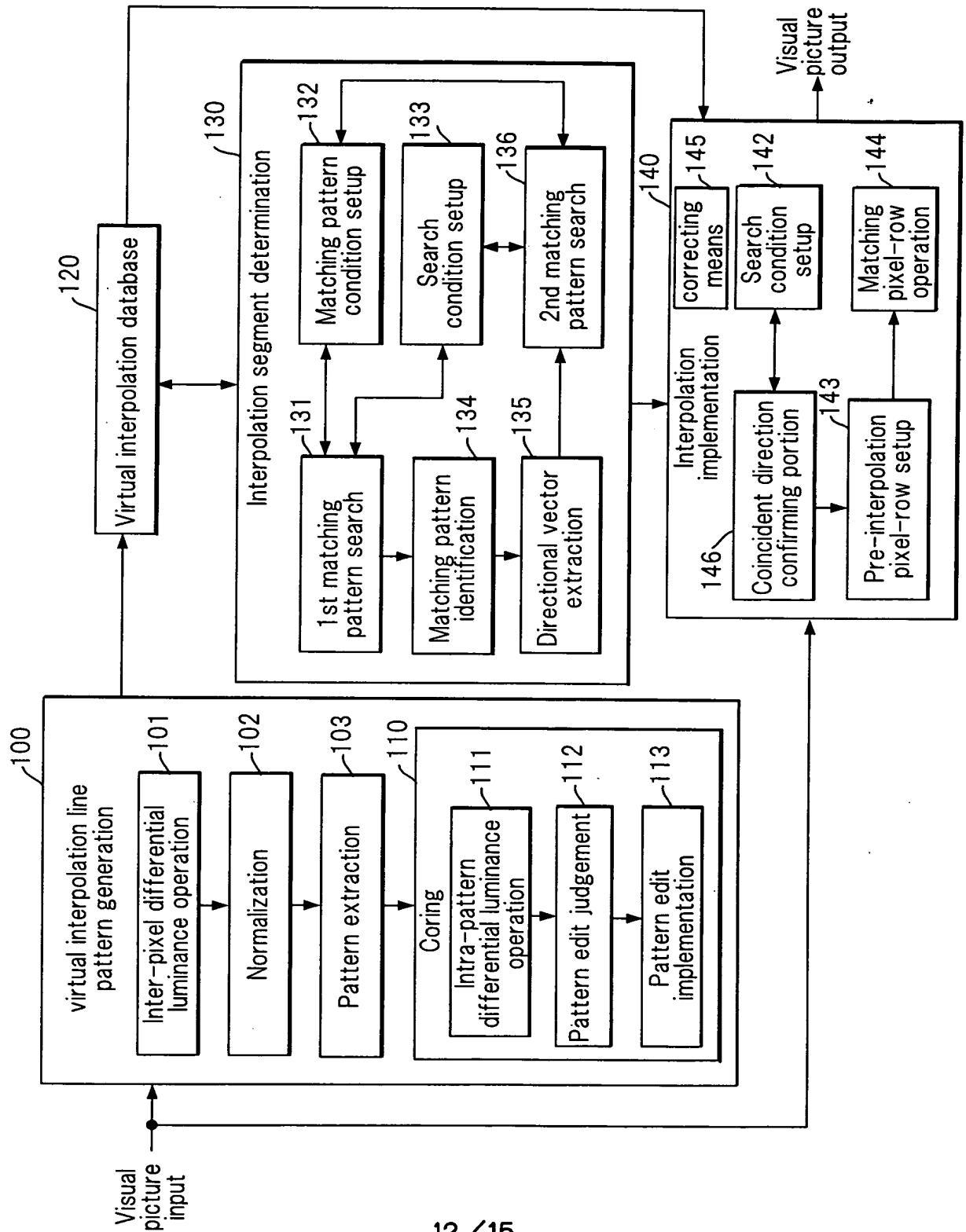


FIG. 13

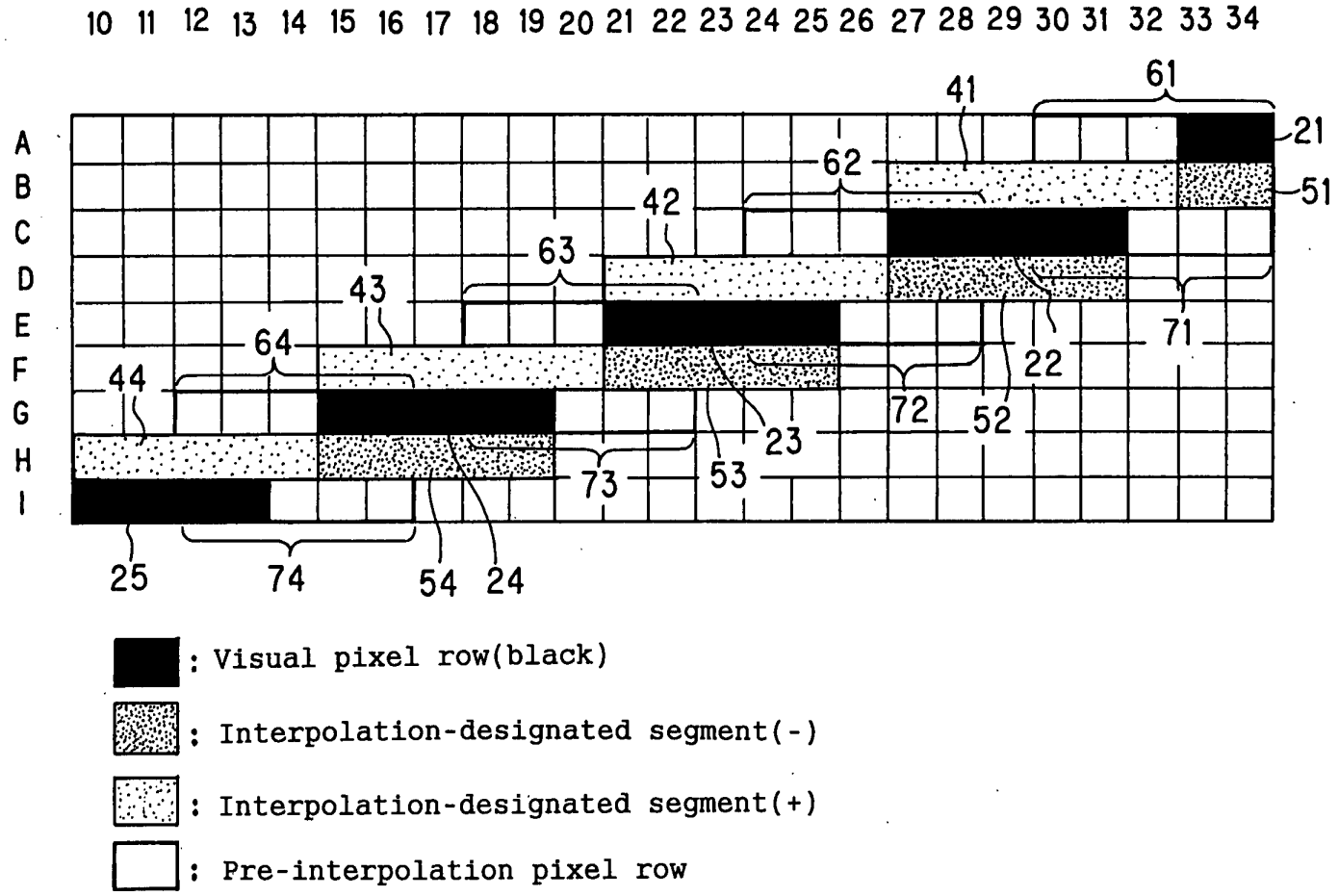


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FIG. 14

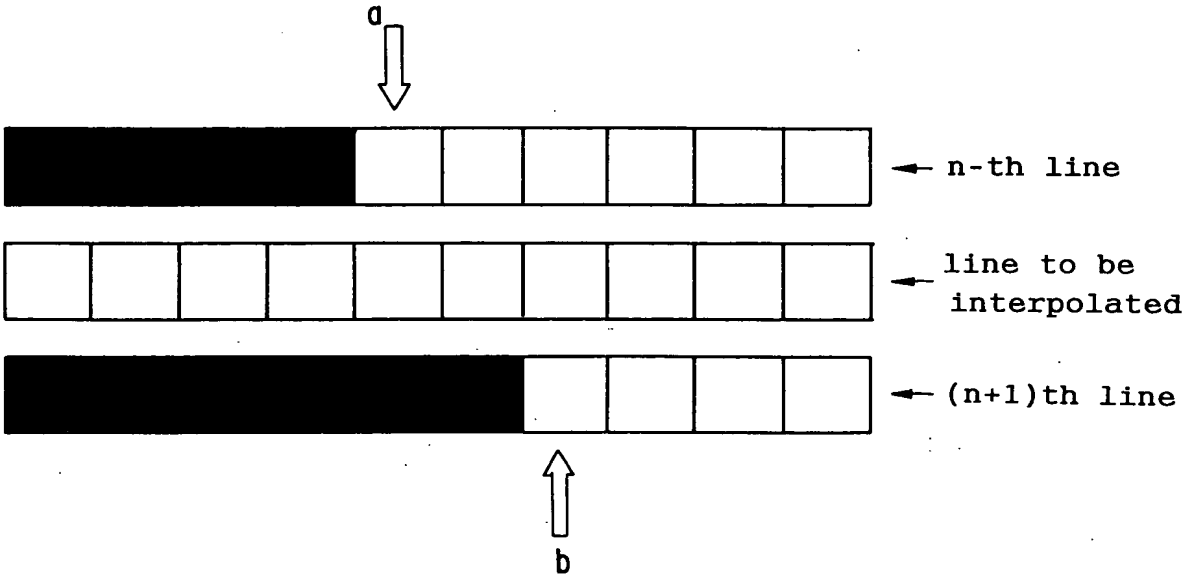

a
n-th line
line to be interpolated
(n+1)th line
b

FIG. 15

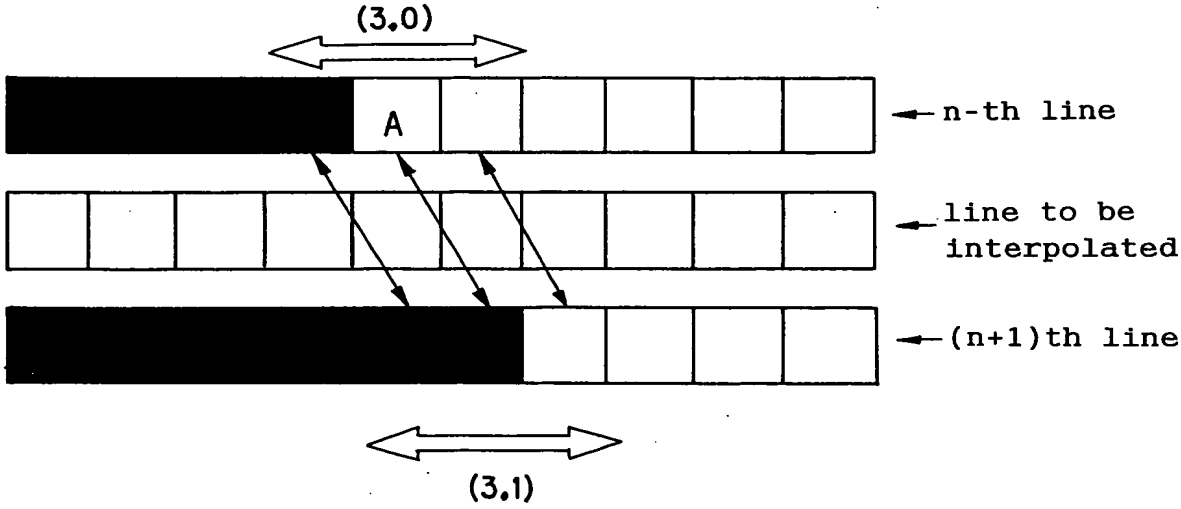

(3,0)
A
n-th line
line to be interpolated
(n+1)th line
(3,1)

FIG. 16

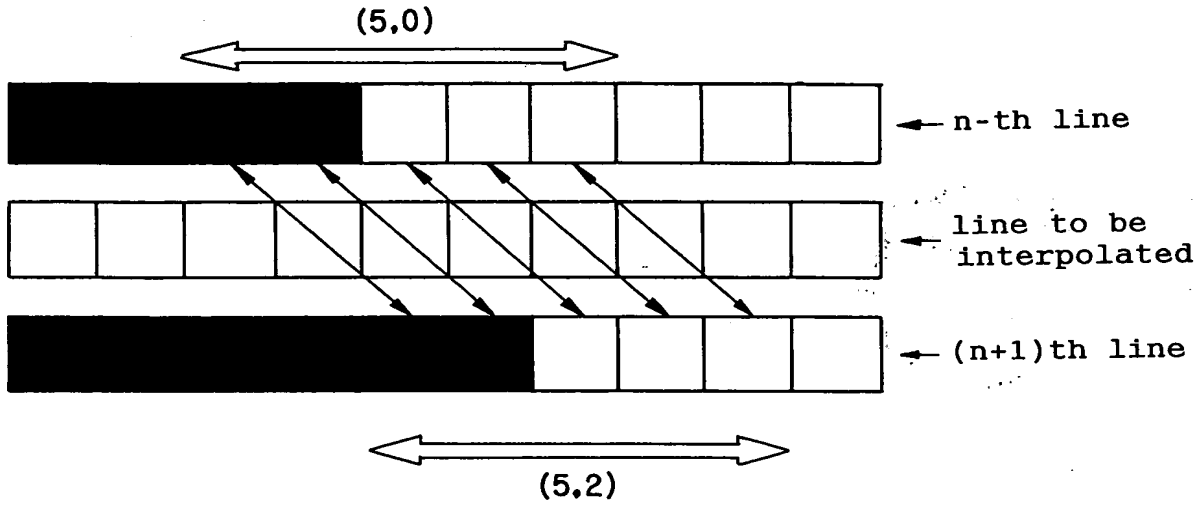
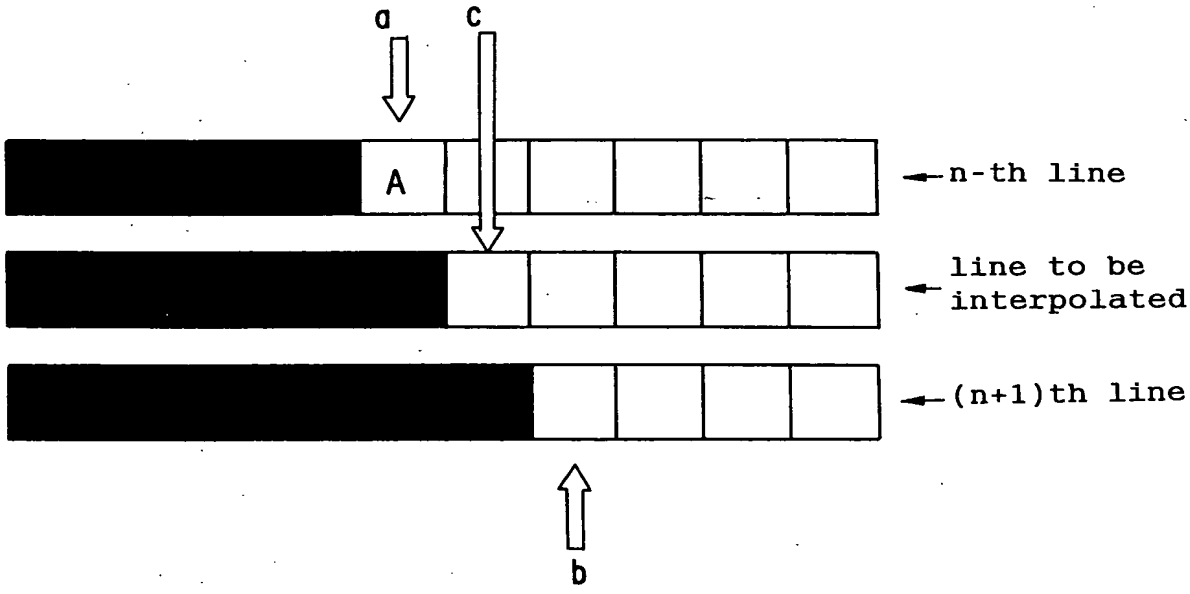


FIG. 17



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